

# Sensor/actuator connector - SACC-M12FS-4QO-0,75-VA - 1440782

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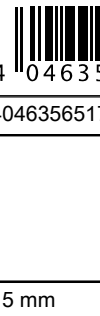
Sensor/actuator connector, Universal, 4-position, Plug straight M12, A-coded, Insulation displacement connection, knurl material: Stainless steel 1.4404, external cable diameter 4 mm ... 8 mm

## Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 517003
GTIN	4046356517003

## Technical data

### Dimensions

Wrench size, union nut	15 mm
External diameter	4 mm ... 8 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)
Degree of protection	IP65
	IP67

### General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Color handle area	black

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## Technical data

### General

Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector according to IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.34 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Conductor cross section AWG	22 ... 18
Wire diameter including insulation	1.3 mm ... 2.6 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1.5 Nm (Pressure nut)
Assembly instructions	AWG 18 wire cross section upon request

### Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material of grip body	PA 6
Material, knurls	Stainless steel 1.4404
Sealing material	Neoprene (Cable clamping)
	FPM (M12 socket)

### Cable

Standards/specifications	M12 connector according to IEC 61076-2-101
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### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	according to IEC 61076-2-101
Flammability rating according to UL 94	V0

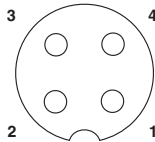
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

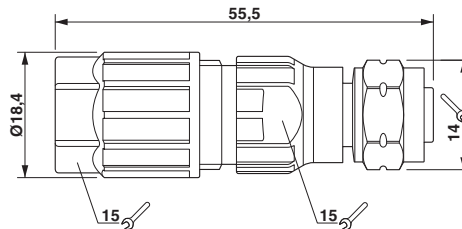
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Schematic diagram



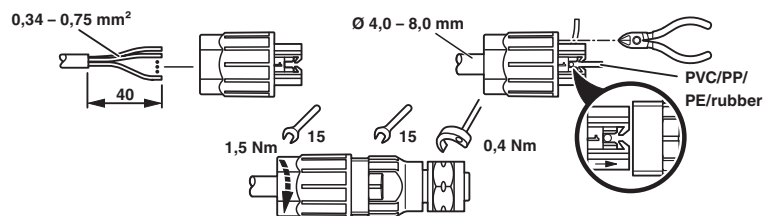
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing



M12 socket, straight,  
QUICKON connection: 0.34 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

Functional drawing



## Approvals

Approvals

Approvals

EAC / EAC / DNV GL

Ex Approvals

## Approval details

EAC	<b>EAC</b>	EAC-Zulassung
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EAC	<b>EAC</b>	RU C- DE.AI30.B.01102
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DNV GL	<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	TAE00002K4
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